WHAT IS CLAIMED IS:

- A power output apparatus that outputs power to a drive shaft, said power output apparatus comprising:
- 5 an internal combustion engine;
 - a drive shaft motor that is capable of inputting and outputting power to and from said drive shaft;
- a three-shaft-type power input output mechanism connecting with an output shaft of said internal combustion engine, said drive shaft, and a rotating shaft, where settings of power input and output to and from any two shafts among said three shafts automatically specify a setting of power input and output to and from a residual shaft among said three shafts;
- a rotating shaft motor that is capable of inputting and outputting power to and from said rotating shaft;
 - a secondary battery that transmits electric power to and from said drive shaft motor and said rotating shaft motor;
- a lubricating oil feed pump that is linked to said output shaft of said internal combustion engine via a damper and is driven by power of said output shaft of said internal combustion engine to feed a supply of lubricating

oil to at least a portion of mechanical part of said power output apparatus; and

a controller that, when a predetermined condition is fulfilled in an operation stop state of said internal combustion engine, controls actuation of said rotating shaft motor to drive said lubricating oil feed pump with the power output to said output shaft of said internal combustion engine via said three-shaft-type power input output mechanism,

wherein said rotating shaft motor, said drive shaft motor, and said lubricating oil feed pump are arranged in series.

- A power output apparatus in accordance with claim
 1, wherein said controller adopts an ON condition of a starter switch for starting said power output apparatus,
 as the predetermined condition of the control.
- 3. A power output apparatus in accordance with claim
 20 2, wherein said controller adopts a condition that an
 elapsed time since a stop of operation of said power output
 apparatus reaches at least a preset time period, as the
 predetermined condition of the control.

A power output apparatus in accordance with claim
 said power output apparatus further comprising:

a temperature sensor that measures temperature of the lubricating oil,

wherein said controller adopts a condition that the temperature of the lubricating oil measured by said temperature sensor is not less than a preset first lubricating oil temperature in an operation stop state of said power output apparatus immediately before an ON operation of the starter switch, as the predetermined condition of the control.

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5. A power output apparatus in accordance with claim2, said power output apparatus further comprising:

a temperature sensor that measures temperature of the lubricating oil,

wherein said controller adopts a condition that the temperature of the lubricating oil measured by said temperature sensor is not greater than a preset second lubricating oil temperature at an ON time of the starter switch, as the predetermined condition of the control.

A power output apparatus in accordance with claim
 said power output apparatus further comprising:

a temperature sensor that measures temperature of said drive shaft motor,

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wherein said controller adopts a condition that the temperature of said drive shaft motor measured by said temperature sensor is not less than a preset first motor temperature in an operation stop state of said power output apparatus immediately before an ON operation of the starter switch, as the predetermined condition of the control.

- 7. A power output apparatus in accordance with claim
 2, said power output apparatus further comprising:
- a temperature sensor that measures temperature of said drive shaft motor,

wherein said controller adopts a condition that the temperature of said drive shaft motor measured by said temperature sensor is not greater than a preset second motor temperature at an ON time of the starter switch, as the predetermined condition of the control.

8. A power output apparatus in accordance with claim

2, said power output apparatus further comprising:

a temperature sensor that measures temperature of said rotating shaft motor,

wherein said controller adopts a condition that the temperature of said rotating shaft motor measured by said temperature sensor is not less than a preset third motor temperature in an operation stop state of said power output apparatus immediately before an ON operation of the starter switch, as the predetermined condition of the control.

- A power output apparatus in accordance with claim
 said power output apparatus further comprising:
- a temperature sensor that measures temperature of said rotating shaft motor,

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wherein said controller adopts a condition that the temperature of said rotating shaft motor measured by said temperature sensor is not greater than a preset fourth motor temperature at an ON time of the starter switch, as the predetermined condition of the control.

10. A power output apparatus in accordance with claim2, said power output apparatus further comprising:

a temperature sensor that measures temperature of said internal combustion engine,

wherein said controller adopts a condition that the temperature of said internal combustion engine measured by said temperature sensor is not greater than a preset combustion engine temperature at an ON time of the starter switch, as the predetermined condition of the control.

- 11. A power output apparatus in accordance with claim
 2, wherein said controller adopts a condition that makes
 said drive shaft motor output power to said drive shaft,
 as the predetermined condition of the control.
- 12. A power output apparatus in accordance with claim
 15 1, wherein said controller adopts a condition that said
 drive shaft motor is outputting power to said drive shaft,
 as the predetermined condition of the control.
- 13. A power output apparatus in accordance with claim20 12, said power output apparatus further comprising:
 - a temperature sensor that measures temperature of the lubricating oil,

wherein said controller adopts a condition that the

temperature of the lubricating oil measured by said temperature sensor is not less than a preset third lubricating temperature, as the predetermined condition of the control.

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14. A power output apparatus in accordance with claim12, said power output apparatus further comprising:

a temperature sensor that measures temperature of said drive shaft motor,

wherein said controller adopts a condition that the temperature of said drive shaft motor measured by said temperature sensor is not less than a preset fifth motor temperature, as the predetermined condition of the control.

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15. A power output apparatus in accordance with claim12, said power output apparatus further comprising:

a temperature sensor that measures temperature of said rotating shaft motor,

wherein said controller adopts a condition that the temperature of said rotating shaft motor measured by said temperature sensor is not less than a preset sixth motor temperature, as the predetermined condition of the

control.

- 16. A power output apparatus in accordance with claim12, said power output apparatus further comprising:
- a speed sensor that measures a revolving speed of said drive shaft,

wherein said controller adopts a condition that the revolving speed of said drive shaft measured by said speed sensor is not less than a preset first revolving speed, as the predetermined condition of the control.

- 17. A power output apparatus in accordance with claim12, said power output apparatus further comprising:
- a speed sensor that measures a revolving speed of said rotating shaft,

wherein said controller adopts a condition that the revolving speed of said rotating shaft measured by said speed sensor is not less than a preset second revolving speed, as the predetermined condition of the control.

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18. A power output apparatus in accordance with claim

1, wherein said controller controls actuation of said

rotating shaft motor to drive said lubricating oil feed

pump for a predetermined time period, when the predetermined condition is fulfilled.

- 19. A power output apparatus in accordance with claim

 1, wherein said controller controls actuation of said

 rotating shaft motor to rotate said output shaft of said

 internal combustion engine at a predetermined revolving

 speed.
- 20. A power output apparatus in accordance with claim
 19, wherein the predetermined revolving speed is
 approximate to an idling engine speed.
- 21. A power output apparatus in accordance with claim

 15 1, wherein said lubricating oil feed pump feeds the supply
 of lubricating oil to said three-shaft-type power input
 output mechanism.
- 22. A hybrid vehicle having a drive shaft that is
 20 mechanically connected with drive wheels, said hybrid
 vehicle comprising:

an internal combustion engine;

a drive shaft motor that is capable of inputting and

outputting power to and from said drive shaft;

a three-shaft-type power input output mechanism connecting with an output shaft of said internal combustion engine, said drive shaft, and a rotating shaft, where settings of power input and output to and from any two shafts among said three shafts automatically specify a setting of power input and output to and from a residual shaft among said three shafts;

a rotating shaft motor that is capable of inputting and outputting power to and from said rotating shaft;

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a secondary battery that transmits electric power to and from said drive shaft motor and said rotating shaft motor;

a lubricating oil feed pump that is linked to said output shaft of said internal combustion engine via a damper and is driven by power of said output shaft of said internal combustion engine to feed a supply of lubricating oil to at least a portion of mechanical part of said power output apparatus; and

a controller that, when a predetermined condition is fulfilled in an operation stop state of said internal combustion engine, controls actuation of said rotating shaft motor to drive said lubricating oil feed pump with

the power output to said output shaft of said internal combustion engine via said three-shaft-type power input output mechanism,

wherein said rotating shaft motor, said drive shaft motor, and said lubricating oil feed pump are arranged in series.